

Title (en)

METHOD AND APPARATUS FOR MONITORING PLANT HEALTH STATE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERWACHUNG DES GESUNDHEITZUSTANDES EINER PFLANZE

Title (fr)

PROCÉDÉ ET APPAREIL DE SURVEILLANCE DE L'ÉTAT DE SANTÉ DE PLANTES

Publication

**EP 3620774 A1 20200311 (EN)**

Application

**EP 18846361 A 20180815**

Priority

- CN 201710711878 A 20170818
- CN 2018100606 W 20180815

Abstract (en)

A method for monitoring a plant health state relates to the technical field of intelligent agriculture. The method is used for intelligently determining the plant health state and timely prompting farmland managers to perform control for at least one plant in a poor plant health state. The method for monitoring the plant health state includes: performing first determination according to plant health state information; when a determination result is that there is a risk of poor plant health, performing second determination according to second plant health state information in an orientation where at least one plant at risk of poor plant health is located, so as to accurately obtain plant health state information, such that farmland managers can learn the current situation of the plant in a field timely and perform control timely. An apparatus applying the method for monitoring the plant health state is provided. The apparatus is used for monitoring the plant health state.

IPC 8 full level

**G01N 21/17** (2006.01)

CPC (source: CN EP KR RU US)

**A01G 7/00** (2013.01 - RU); **A01G 7/06** (2013.01 - US); **G01D 21/02** (2013.01 - CN KR); **G01N 21/17** (2013.01 - RU); **G01N 21/25** (2013.01 - CN KR); **G01N 21/31** (2013.01 - EP); **G01N 21/314** (2013.01 - US); **G01N 21/84** (2013.01 - CN EP KR US); **G06T 7/001** (2013.01 - US); **H04N 23/69** (2023.01 - US); **G01N 2021/3155** (2013.01 - US); **G01N 2021/8466** (2013.01 - CN EP KR US); **G01N 2201/1296** (2013.01 - EP US); **G06T 2207/20081** (2013.01 - US); **G06T 2207/20084** (2013.01 - US); **G06T 2207/30188** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3620774 A1 20200311**; **EP 3620774 A4 20210113**; **EP 3620774 B1 20220727**; AU 2018102220 A4 20210909; AU 2018317151 A1 20200102; CA 3065851 A1 20190221; CN 109406412 A 20190301; JP 2020531014 A 20201105; JP 6960525 B2 20211105; KR 102344031 B1 20211228; KR 20200041356 A 20200421; RU 2726033 C1 20200708; US 11301986 B2 20220412; US 2021133945 A1 20210506; WO 2019034070 A1 20190221

DOCDB simple family (application)

**EP 18846361 A 20180815**; AU 2018102220 A 20180815; AU 2018317151 A 20180815; CA 3065851 A 20180815; CN 201710711878 A 20170818; CN 2018100606 W 20180815; JP 2020509112 A 20180815; KR 20207007441 A 20180815; RU 2019141805 A 20180815; US 201816617057 A 20180815